

10 -

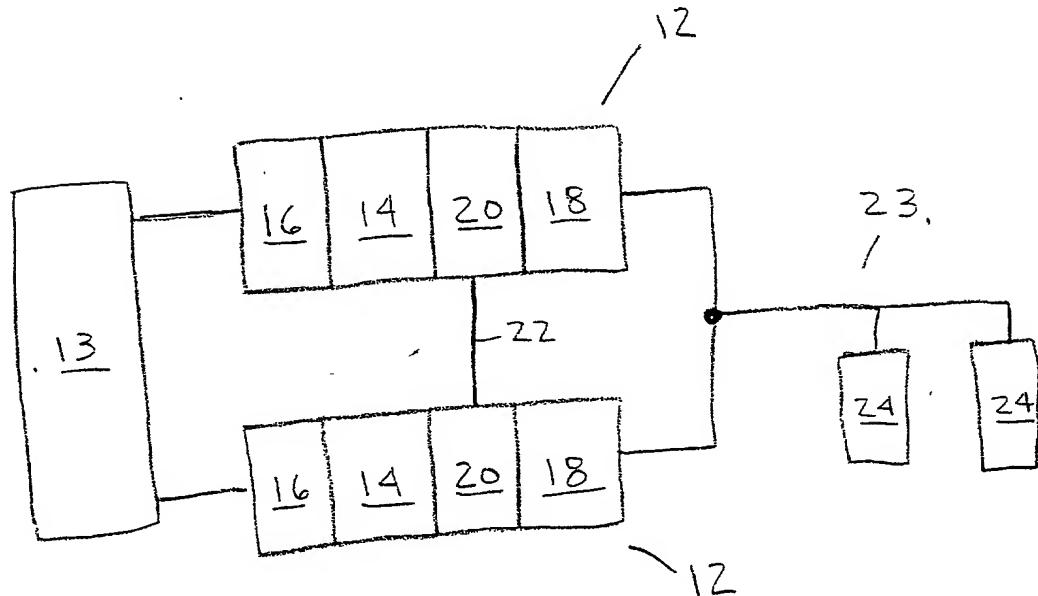


FIGURE 1

2010-04-20 10:22:37.000

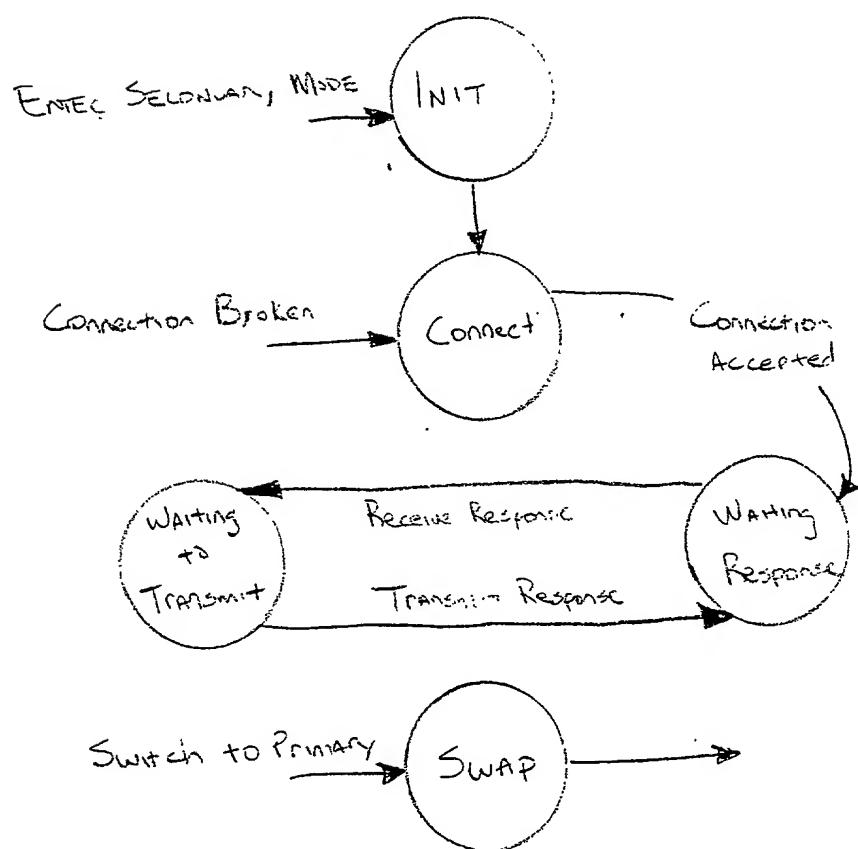


FIGURE 2

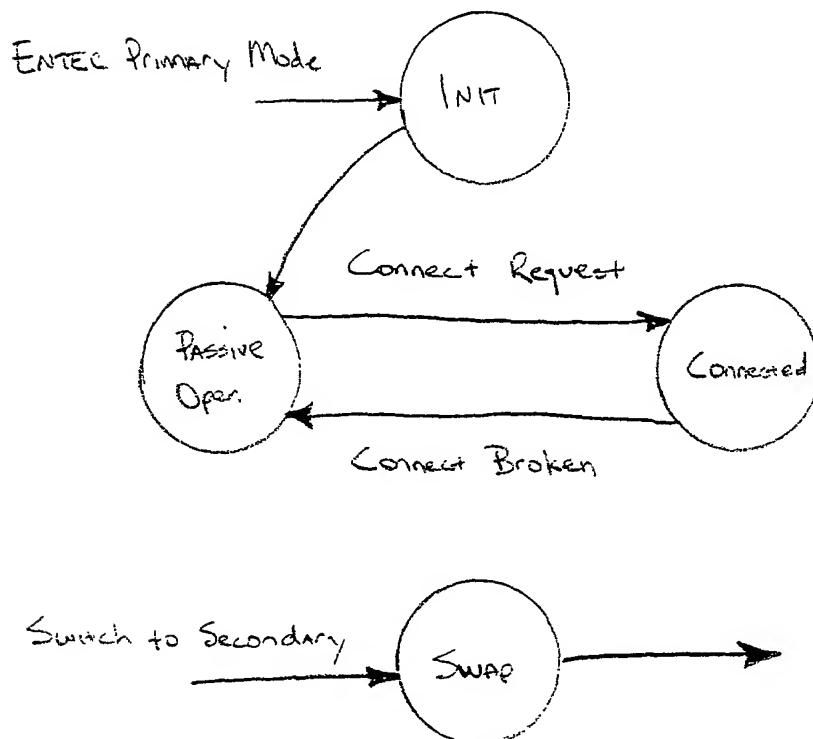


FIGURE 3

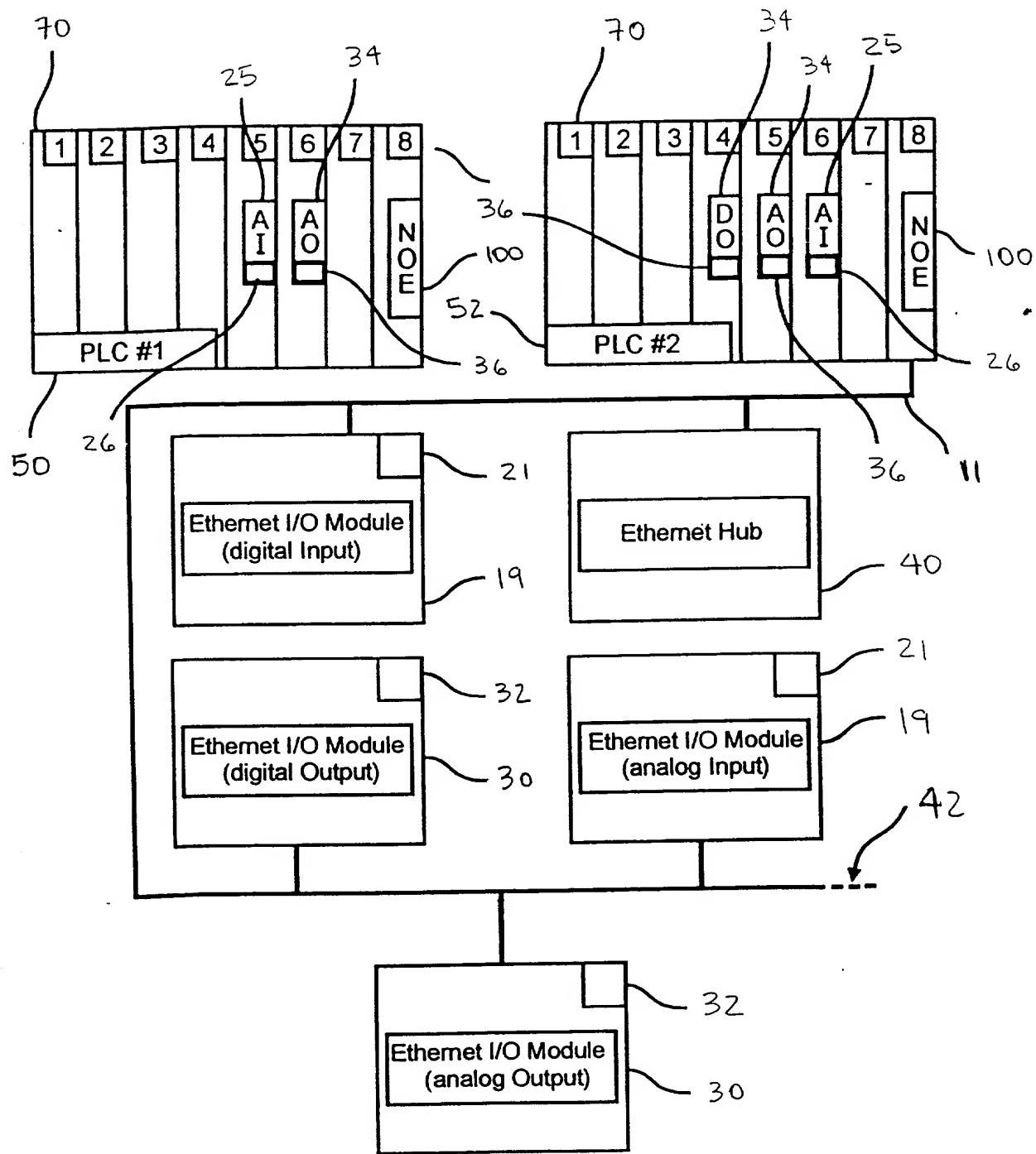


Fig. 4

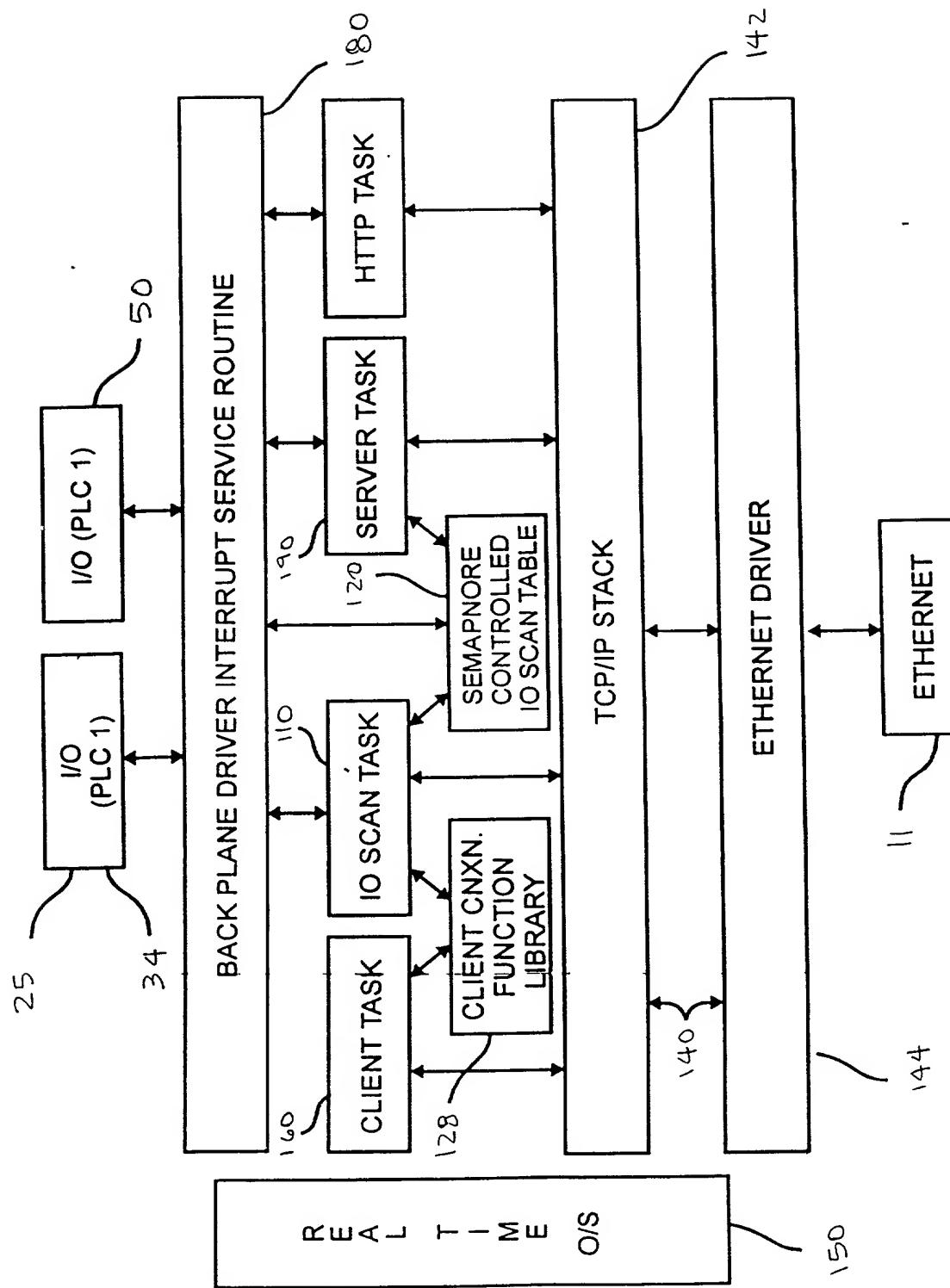
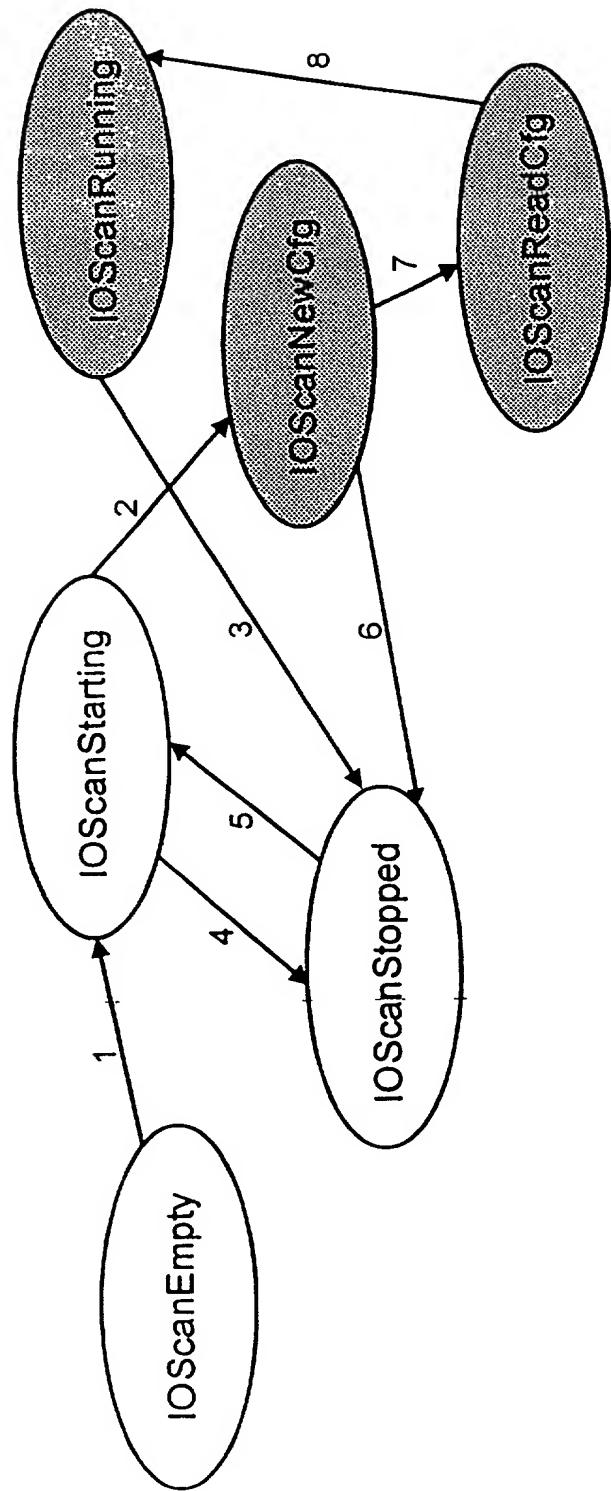


Fig. 5

Fig. 6



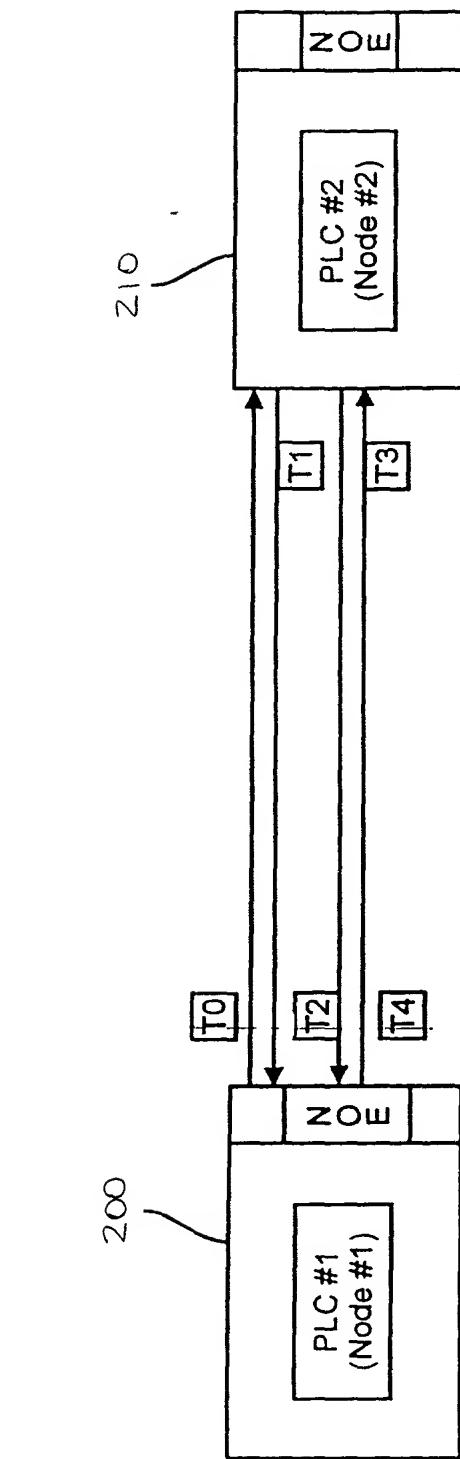


Fig. 7

Attoorney Docket No. SAA-46-1/SAA-17-1 (401P274) in Re U.S. Divisional Application Of: Nasmith et al. - For: Input/Output (I/O) Scanner For A Control System With Peer Determination (I/O) Scanner For A Control System With Peer Determination Sheet 6 of 13

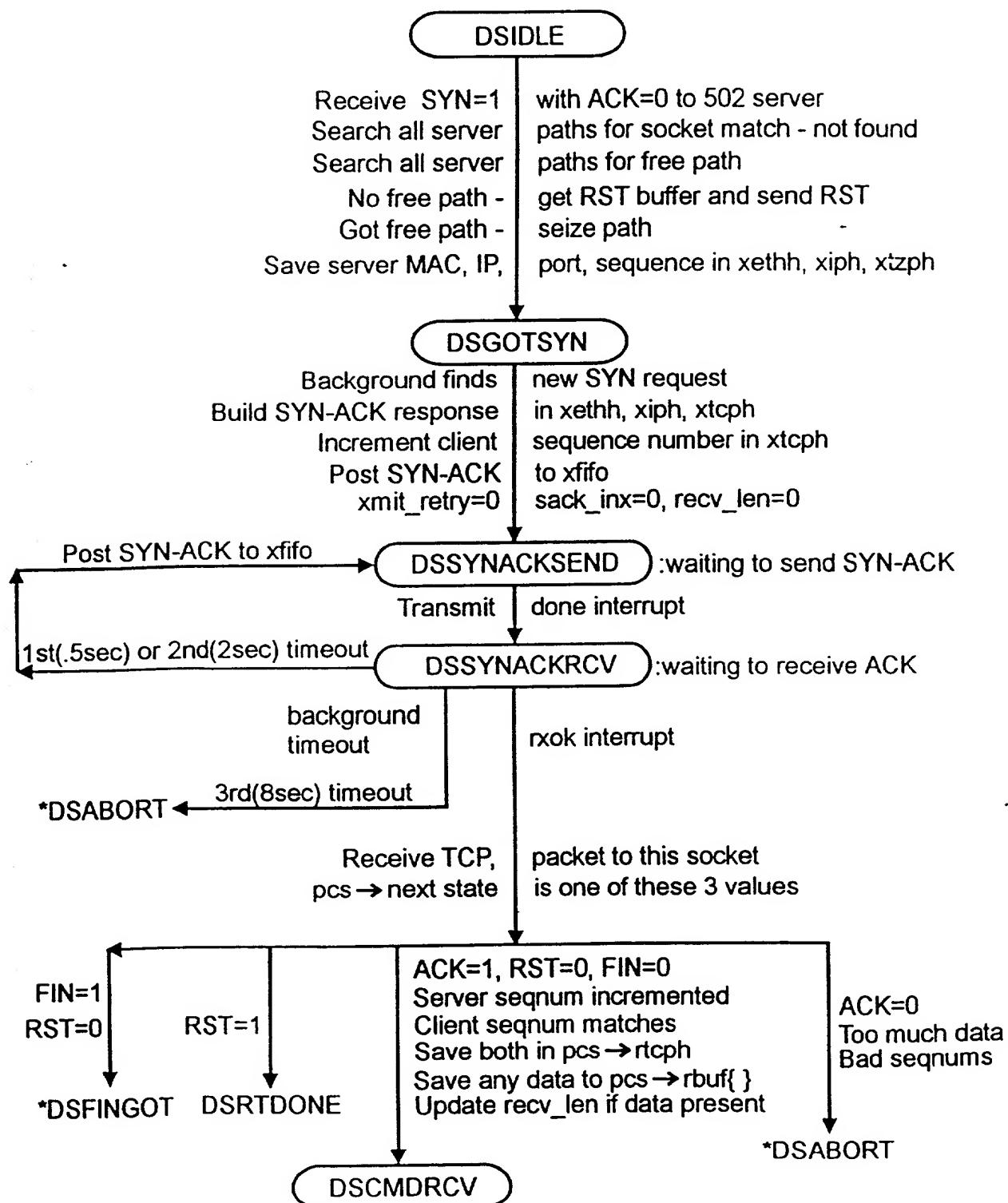


Fig. 8A

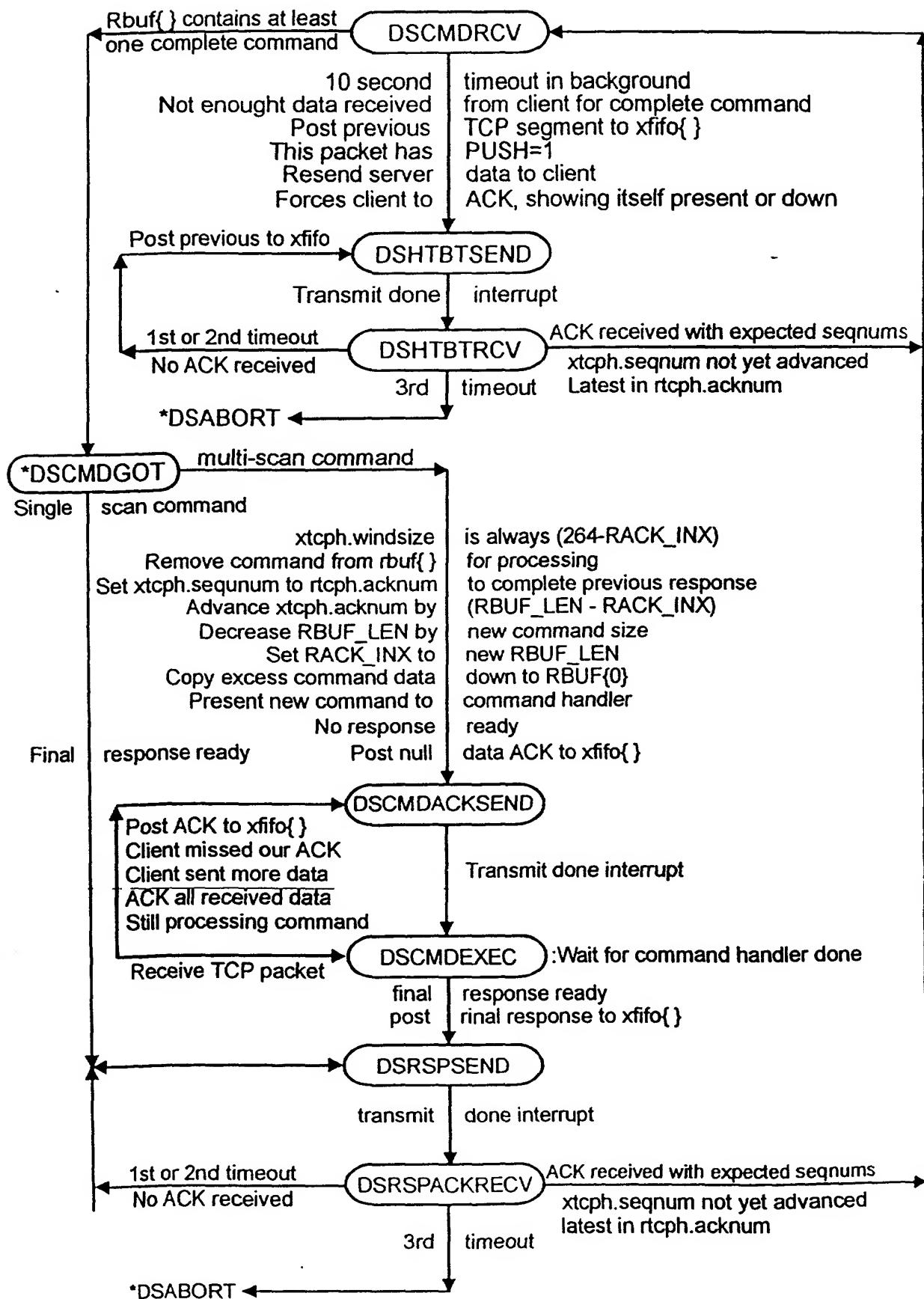


Fig. 8B

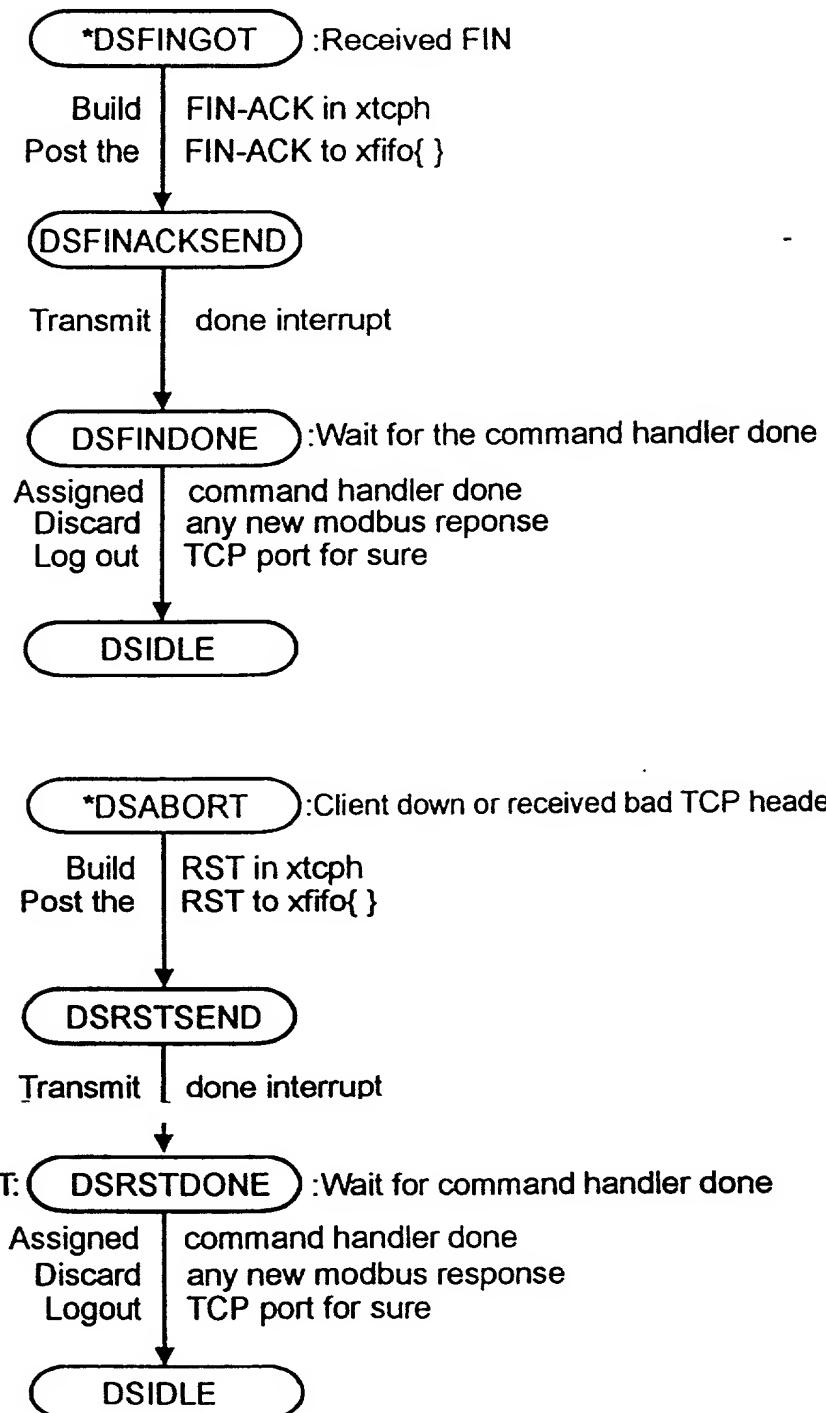


Fig. 8C

pcs → Path state: state machine for idle data master path.
 Common for MSTR element and cyclic transactions

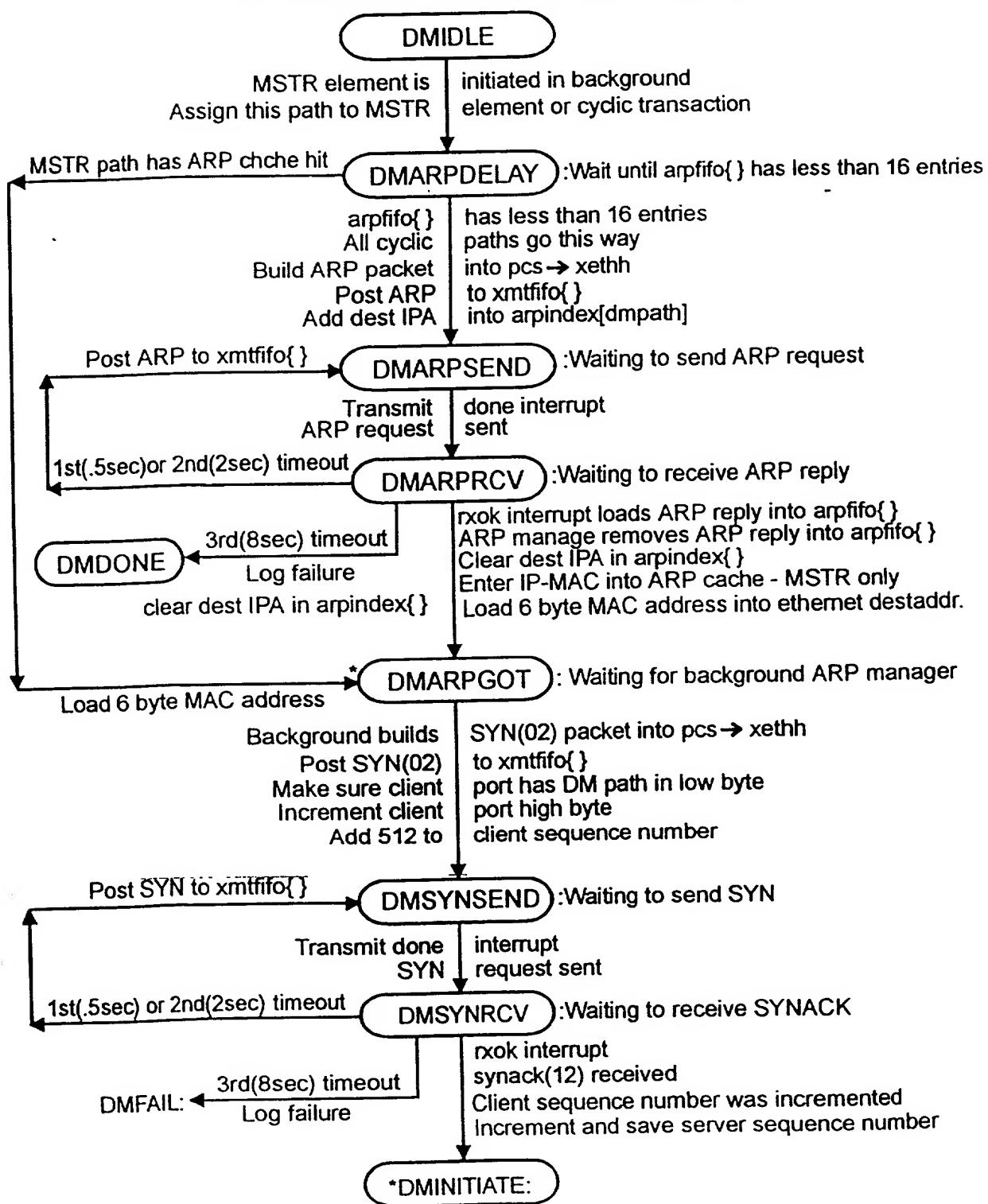
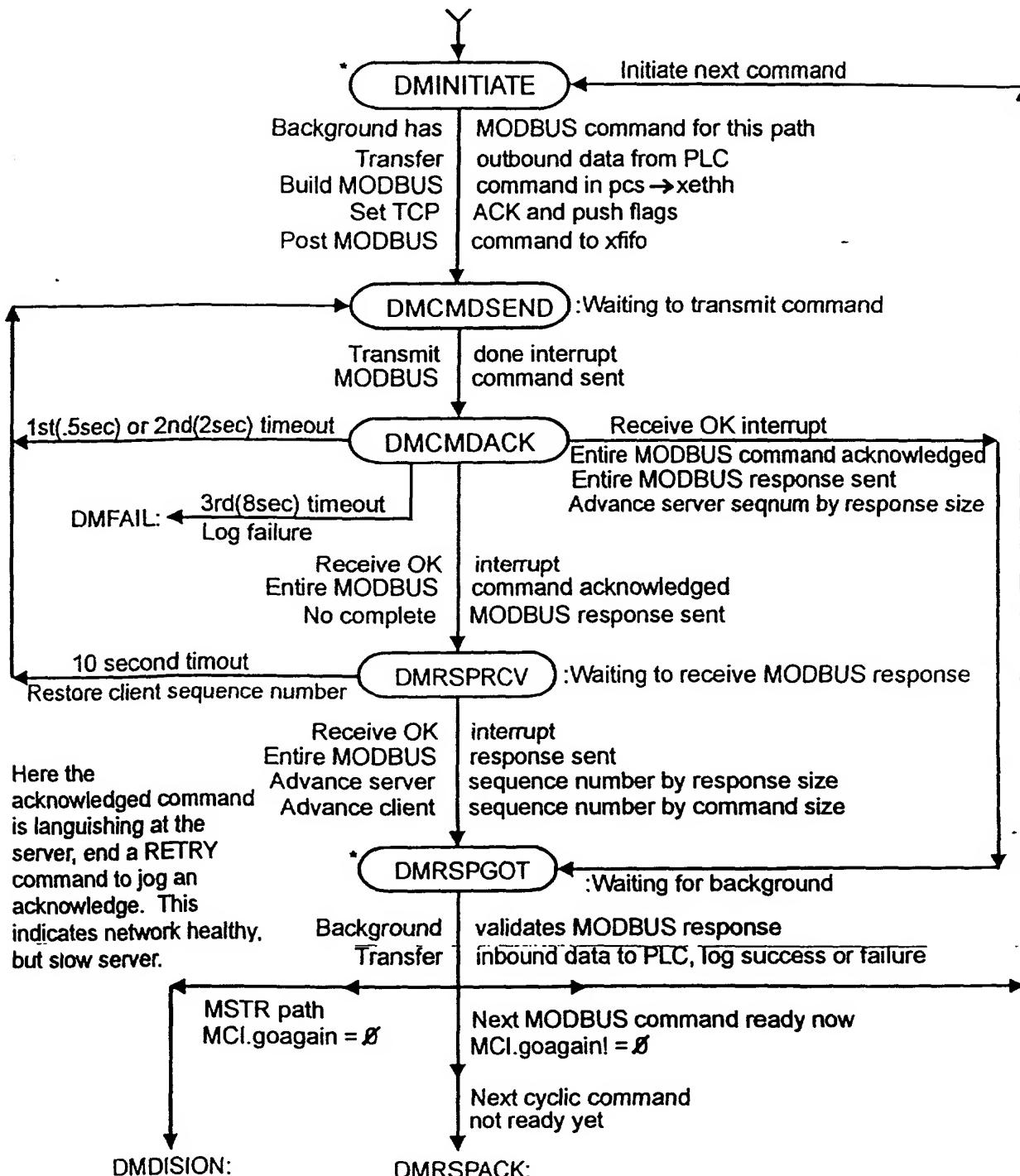


Fig. 8D



* - resides in this state for Ø time
 RCV interrupt sets next state to these values

Fig. 8E

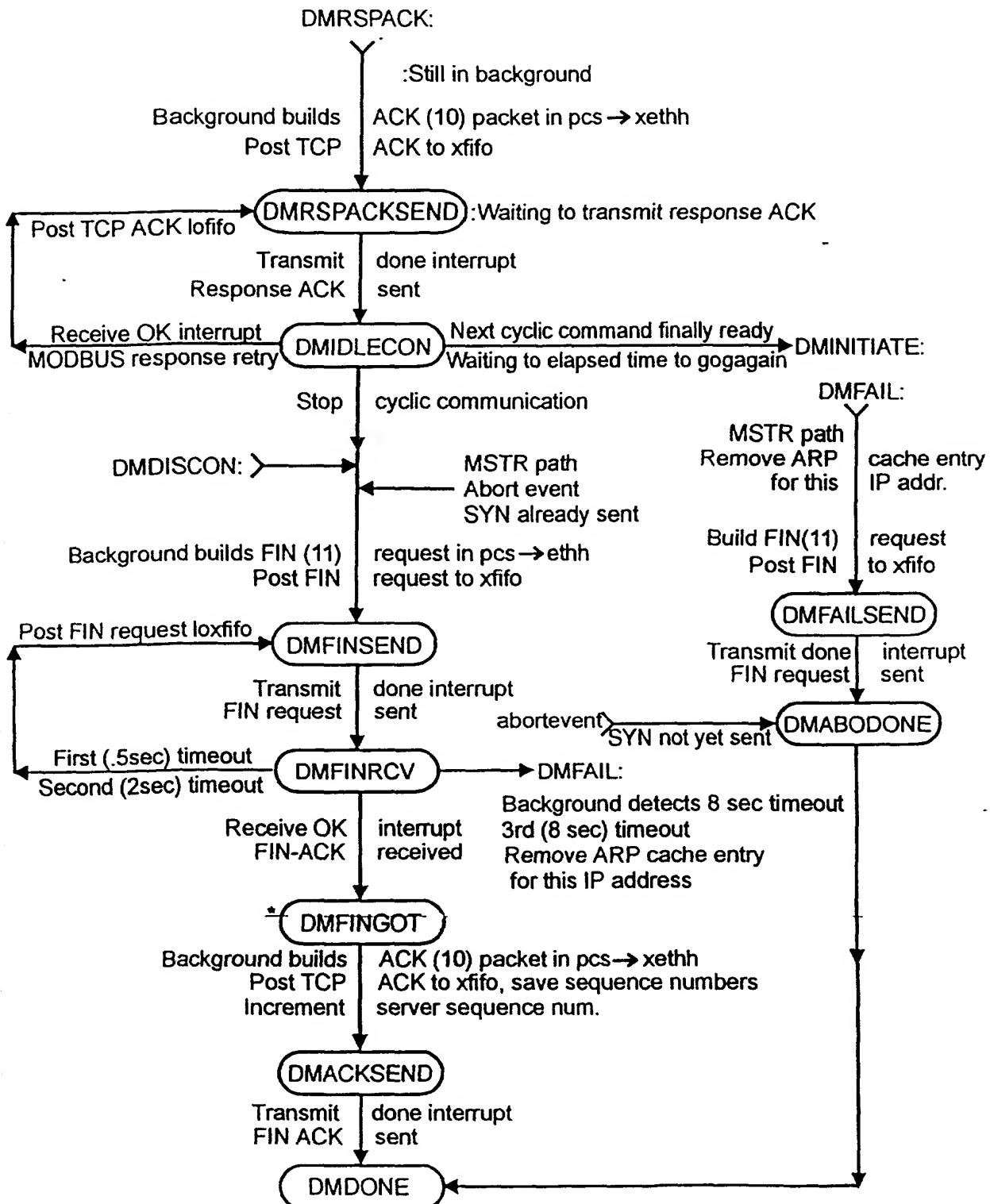


Fig. 8F

pcs \rightarrow xmit_state state machine: once a path has been submitted into the xfifo{ }, it cannot be removed. But the background can abort the packet, as long as it is not in the XMTBID or XMTSEND state. These states should not persist.

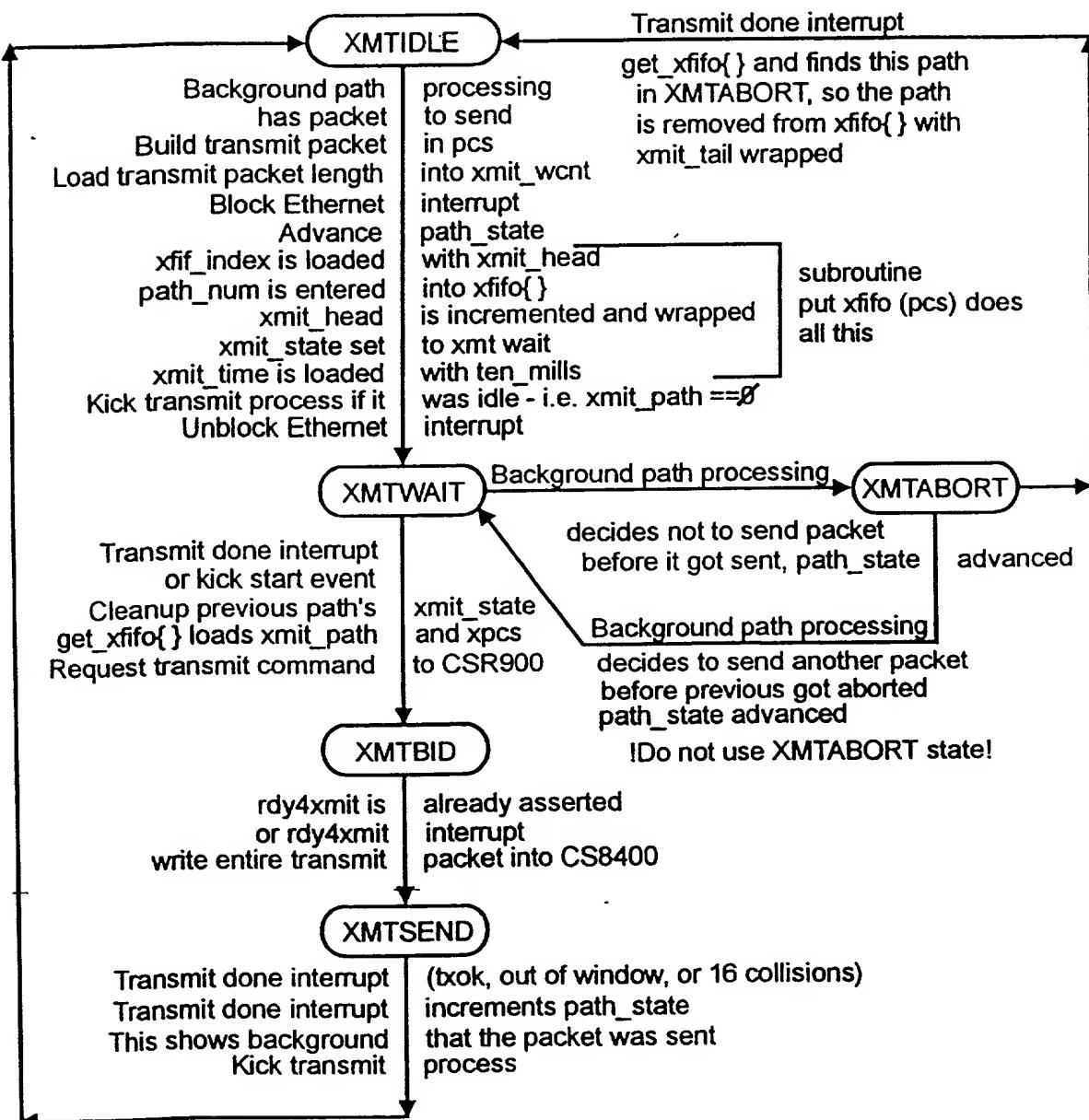


Fig. 86